



PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): John W. Locher, et al.

Title: SINGLE CRYSTALS AND METHODS FOR FABRICATING SAME

Application No.: 10/820,468

Filed: April 8, 2004

Examiner: Stephen J. Stein

Group Art Unit: 1775

Atty. Docket No.: 1075-BI4324

MS AMENDMENT
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Alexandria, VA 22313-1450

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to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

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Elise K. Dougherty
Typed or Printed Name

E. K. Dougherty
Signature

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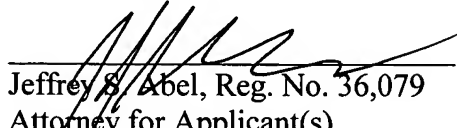
- ☐ within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
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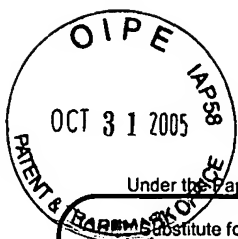
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Date

10/25/05

Respectfully submitted,


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PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 2

Complete if Known

Application Number	10/820,468
Filing Date	April 8, 2004
First Named Inventor	John W. Locher
Art Unit	1775
Examiner Name	Stephen J. Stein
Attorney Docket Number	1075-BI4324

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 4,402,786	09/06/1983	Little et al.	
	B1	US-			
	C1	US-			
	D1	US-			
	E1	US-			
	F1	US-			
	G1	US-			
	H1	US-			
	I1	US-			
	J1	US-			
	K1	US-			
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	O1	US-			
	P1	US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	T1	GB 2,044,630 A	10/22/1980	RCA Corporation		
	U1					
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Examiner Name	Stephen J. Stein
Attorney Docket Number	1075-BI4324

Sheet

2

of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A2	Locher, J.W. et al., "The Production of 225*325 mm Sapphire Windows for IR (1 to 5 mu x m) Applications", DATABASE INSPECTION ONLINE, Vol. 5078, no. 1, 2003, pgs 40-46. (ABSTRACT ONLY)	
	B2	Novak, R.E. et al., "The Production of EFG Sapphire Ribbon For Heteroepitaxial Silicon Substrates", JOURNAL OF CRYSTAL GROWTH, Vol. 50, 1980, pgs 143-150.	
	C2	Antonov, P.I. et al., "A Review of Developments in Shaped Crystal Growth of Sapphire By the Stepanov and Related Techniques", PROGRESS OF CRYSTAL GROWTH AND CHARACTERIZATION OF MATERIALS, pgs 63-122, 2002.	
	D2		
	E2		
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